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PATENT
DOCKET NO. BMX-003.02
(23819-302)

In re Application of:

Zhang, H., et al.

Application No: 10/806,036

Filed: March 22, 2004

For: Degradable Crosslinkers, and
Degradable Crosslinked Hydrogels
Comprising Them

Art Unit: 1625

Examiner: Not Yet Assigned

Attention: Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail, postage prepaid, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on *August 11, 2004*.


Shirine Darvish

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Under 35 U.S.C. §120, this application has the benefit of the filing date of U.S. Patent Application 10/186,251 filed June 27, 2002. Copies of all references listed on the Form PTO-1449's were submitted to the Office in the parent application; therefore, they are not required to be provided in this application.

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed:

- ☒ (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office Action** on the merits, or before the mailing of a **first Office Action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or
- ☐ (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and
- ☐ the requisite Statement is below, **OR**
- ☐ the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or
- ☐ (3) after the mailing date of a **final action** or **notice of allowance** but before the payment of the **issue fee**, **AND**
- ☐ the requisite Statement is below, **AND**
- ☐ the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

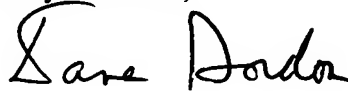
It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

STATEMENT

As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that [check the appropriate space only if either (2) or (3) is checked on the previous page and the Statement is required]:

- ☐ 1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or
- ☐ 2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to **any individual** designated in 37 C.F.R. 1.56(c) **more than three months** prior to the filing of the Information Disclosure Statement.

Respectfully submitted,



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Form PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**
(See several sheets if necessary)

Docket Number (Optional)
BMX-003.01(23819-301)

Application Number
10/186,251

Applicant
Schwarz and Zhang

Filing Date
June 27, 2002

Group Art Unit
1621

U.S. PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	AA	US 3,718,716	02/27/73	Joh et al.	260	898		
	AB	US 3,794,494	02/26/74	Kai et al.	96	35.1		
	AC	US 3,858,510	01/07/75	Kai et al.	101	395		
	AD	US 5,124,421	06/23/92	Ulbrich et al.	526	212		
	AE	US 5,130,479	07/14/92	Ulbrich et al.	562	874		
	AF	US 5,922,612	07/13/99	Alder et al.	436	163		
	AG	US 6,323,360 B1	11/27/01	Ruckenstein et al.	560	199		

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

Form PTO-1449		Docket Number (Optional) BMX-003.01(23819-301)		Application Number 10/186,251	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Applicant Schwarz and Zhang			
		Filing Date June 27, 2002		Group Art Unit 1621	
<div style="text-align: center;">OTHER DOCUMENTS</div> <div style="text-align: right;"><i>(Including Author, Title, Date, Pertinent Pages Etc.)</i></div>					
	AH	Argade et al.; "Preparation and Characterization of Novel Biodegradable tri- and tetraacrylate Intermediates", Polymer Bulletin 31: 401-407, (1993)			
	AI	Bruining et al.; "Biodegradable Three-Dimensional Networks of Poly(dimethylamino ethyl methacrylate): Synthesis, Characterization and in Vitro Studies of Structural Degradation and Cytotoxicity", Biomaterials 21: 595-604, (2000)			
	AJ	Bruining et al.; "New Biodegradable Networks of Poly(N-vinylpyrrolidinone) Designed for controlled Nonburst Degradation in the Vitreous Body", J Biomed. Mater. Res. 47:189-197, (1999)			
	AK	Eo, Akala; "Hydrolysis of Linear Copolymers with Pendant N, O-diacylhydroxylamine Moieties", Pharm. Pharmacol. Lett. 8(3): 129-132, (1998)			
	AL	Grosse-Sommer and Prud'homme; "Degradable Phosphazene-crosslinked Hydrogels", Journal of Controlled Release 40: 261-267, (1996)			
	AM	Gombotz and Petit; "Biodegradable Polymers for Protein and Peptide Drug Delivery", Bioconjugate Chem. 6: 332-351, (1995)			
	AN	Ulbrich et al.; "Novel Biodegradable Hydrogels Prepared Using the divinyl;ic Crosslinking Agent N, O-dimethacryloydroxylamine. I. Synthesis and Characterization of Rates of Gel Degradation, and Rate of Release of Model Drugs, in Vitro and Vivo", Journal of controlled Release 24: 181-19, (1993)			
	AO	Ruckenstein and Zhang; "A Novel Breakable Cross-Linker and pH-Responsive Star-Shaped and Gel Polymers", Macromolecules 32: 3979-3983, (1999)			
	AP	Sawhney et al.; "Biocrodible Hydrogels Based on Photopolymerized Poly(ethylene glycol)-co-poly(αhydroxy acid) diacrylate Macromers", Macromolecules 26: 581-587, (1993)			
	AQ	Ulbrich et al.; "Synthesis Of Novel Hydrolytically degradable Hydrogels for Controlled Drug Release", Journal of Controlled Release 34: 155-165, (1995)			
EXAMINER				DATE CONSIDERED	
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.					

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Form PTO 1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**
 (Use several sheets if necessary)

 Docket Number (Optional)
 BMX-003.01 (23819-301)

 Application Number
 10/186,251

 Applicant
 Zhang, H. et al.

 Filing Date
 June 27, 2002

 Group Art Unit
 1621
U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
AH	WO 01/44307 A2	06/21/01	WIPO				X
AI	WO 01/68720 A1	09/20/01	WIPO				X
AJ	WO 01/68722 A1	09/20/01	WIPO				X

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages Etc.)

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE